

10715593\_QUAL.txt

5563654 68  
6239615 57  
4913116 55  
RE34316 55  
5920066 55  
6277265 55  
6738289 55  
5758168 54  
5790846 54  
5963737 54  
4954945 54  
5390309 54  
5809526 54  
5959689 54  
6059835 54  
6059835 54  
6247094 54  
4907278 54  
5021947 54  
5530820 54  
5602760 54  
5657017 54  
5680571 54  
5699315 54  
5737751 54  
5902131 54  
6073211 54  
6105112 54  
6173371 54  
6182201 54  
6202130 54  
6208651 54  
6209119 54  
6249911 54  
4271526 54  
4282601 54  
4761734 54  
4788639 54  
4809169 54  
4821108 54  
4891742 54  
4916657 54  
5214763 54  
5295249 54  
5325441 54  
5337168 54  
5475853 54  
5495606 54  
5506535 54  
5678198 54

PLUS Search Results for S/N 10715593, Searched March 10, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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6239615  
4913116  
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6738289  
5758168  
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5963737  
4954945  
5390309  
5809526  
5959689  
6059835  
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5602760  
5657017  
5680571  
5699315  
5737751  
5902131  
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6105112  
6173371  
6182201  
6202130  
6208651  
6209119  
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4282601  
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4788639  
4809169  
4821108  
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4916657  
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10715593\_WEST.txt

(5563654 6239615 4913116 RE34316 5920066 6277265 6738289 5758168 5790846 5963737  
4954945 5390309 5809526 5959689 6059835 6059835 6247094 4907278 5021947 5530820  
5602760 5657017 5680571 5699315 5737751 5902131 6073211 6105112 6173371 6182201  
6202130 6208651 6209119 6249911 4271526 4282601 4761734 4788639 4809169 4821108  
4891742 4916657 5214763 5295249 5325441 5337168 5475853 5495606 5506535 5678198).pn.

10715593\_EAST.txt

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6239615  
4913116  
RE34316  
5920066  
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4954945  
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5021947  
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5657017  
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6105112  
6173371  
6182201  
6202130  
6208651  
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4788639  
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4821108  
4891742  
4916657  
5214763  
5295249  
5325441  
5337168  
5475853  
5495606  
5506535  
5678198).pn.

10715593\_WDS.txt

ability 1  
able 4  
above 3  
abstmct 1  
abstraction 4  
accept 1  
accompanying 1  
achieving 1  
across 3  
address 1  
advantage 1  
advantageous 2  
advantageously 1  
advantages 2  
affect 1  
agaipst 1  
al 1  
allow 3  
allows 2  
an 9  
and 39  
another 4  
antageous 1  
any 1  
app 1  
apparatus 1  
apparent 1  
appear 1  
application 1  
appreciated 1  
are 13  
arise 1  
arm 9  
arrangement 1  
art 1  
as 24  
aspect 3  
assists 1  
associated 5  
at 4  
availability 1  
available 7  
awaiting 1  
background 1  
balanced 1  
battery 2  
be 29  
became 1  
become 1  
becomes 1  
been 1  
before 2  
being 7  
best 1  
better 1  
between 8  
boundarie 1  
boundaries 1  
brief 1  
by 16  
cache 2  
can 6  
cancelled 1

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capabilities 2  
ce 1  
ch 1  
change 4  
changes 2  
changing 2  
characteristic 1  
circuit 9  
circuits 14  
circumstances 2  
circumstances 1  
clock 23  
coarser 1  
coded 2  
coding 2  
combining 1  
common 1  
compared 1  
comprising 3  
computation 1  
computational 2  
computationally 1  
computer 3  
concerned 2  
concerning 1  
configuration 4  
configurations 2  
configured 1  
confined 1  
connection 1  
consequent 1  
consideration 1  
considerations 1  
consume 1  
consumed 1  
consumption 6  
consumptions 1  
cont 1  
configurable 1  
configuration 1  
control 36  
controlled 3  
controller 7  
controllers 1  
controlling 3  
convenient 1  
conveniently 1  
conversely 1  
cooler 1  
corresponding 2  
could 4  
counter 1  
critical 1  
current 5  
currently 1  
data 32  
david 1  
deal 2  
dealt 1  
degree 1  
dependence 1  
described 1  
description 3

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design 2  
designs 2  
desirable 1  
desire 2  
desired 24  
detailed 1  
determine 1  
devices 1  
diaglmm 1  
diagram 6  
diagnrm 1  
differences 1  
different 10  
direct 1  
directly 2  
disabled 1  
disadvantageous 1  
disadvantageously 1  
dissipation 1  
dmwings 1  
does 1  
domains 1  
down 1  
drawings 1  
due 2  
during 1  
dyc 9  
een 1  
effects 1  
elements 3  
em 1  
embodiments 8  
en 1  
enabled 1  
enerally 1  
energy 11  
engineering 1  
enhanced 1  
ensures 1  
ensuring 1  
equency 2  
example 7  
examples 1  
executable 1  
facilitates 1  
factors 1  
features 1  
fed 1  
fewer 2  
field 4  
figure 14  
figures 1  
final 1  
finally 1  
flexibility 1  
flow 4  
flynn 1  
followed 1  
following 2  
fonns 1  
for 13  
force 1  
forms 1

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forward 1  
frequencies 7  
frequency 8  
from 5  
functionally 1  
further 16  
furthermore 2  
ge 1  
generally 1  
generate 3  
generated 4  
generates 1  
generation 2  
generator 5  
generators 1  
gfigure 1  
giving 1  
goals 1  
good 1  
had 1  
handling 1  
hardware 11  
has 2  
have 2  
having 1  
heat 1  
high 5  
higher 2  
highest 2  
highly 1  
holding 1  
how 3  
however 1  
idle 1  
if 1  
illustrates 4  
illustrating 8  
illustrative 1  
implementation 1  
implementations 2  
important 2  
improved 1  
in 27  
include 2  
including 2  
incorporating 1  
increase 1  
increased 4  
increasingly 1  
increm 1  
independent 2  
indicating 1  
indicative 3  
information 2  
ing 1  
ining 1  
instnzung 1  
instruction 3  
instructions 7  
intel 1  
intensive 2  
intermediate 5  
interrupt 2

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into 3  
inventio 1  
invention 10  
involve 1  
is 35  
issue 1  
it 9  
its 3  
joftware 1  
known 2  
large 1  
latency 1  
layer 2  
least 1  
less 1  
level 48  
levels 5  
life 1  
like 2  
linearly 1  
little 2  
ln 2  
logically 1  
long 3  
longer 1  
longrtm 1  
low 4  
lower 1  
lowers 1  
made 1  
management 4  
manipulate 1  
manner 1  
many 3  
map 1  
mapped 2  
mapping 12  
mappings 1  
maps 1  
match 3  
maximum 5  
maximums 1  
may 10  
meet 2  
memories 2  
mentioned 1  
met 1  
method 2  
mgy 1  
might 2  
minimum 3  
minimums 1  
mobile 1  
mode 2  
modified 2  
modulated 1  
modulation 1  
monitoring 1  
monotonic 1  
more 14  
moved 1  
mqre 1  
ms 1

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necessary 3  
need 1  
nges 1  
nms 1  
number 1  
objects 1  
occur 1  
of 70  
office 1  
often 1  
oftheinvention 1  
omputation 1  
on 1  
one 19  
operable 4  
operate 2  
operates 1  
operating 5  
operation 10  
operational 1  
operations 3  
operqtion 1  
or 20  
order 2  
original 1  
other 4  
overhead 1  
override 1  
page 9  
papers 1  
parameters 1  
paritcularly 1  
particularly 2  
paten 1  
pending 2  
perating 1  
perfonn 1  
perfonnance 10  
perfonpance 1  
perfonuance 1  
performal 1  
performanc 1  
performance 49  
performing 1  
perfprmance 1  
periods 1  
permanently 2  
pl 1  
platfonus 1  
platform 1  
pll 2  
point 1  
pore 1  
portion 1  
possible 2  
power 4  
powered 2  
practice 1  
predetermined 1  
prefefred 1  
preferred 6  
prejudice 1  
present 8

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previously 1  
prior 3  
priority 2  
processing 36  
processor 14  
processors 1  
produce 1  
produced 2  
product 1  
program 12  
programmed 1  
programming 1  
progress 1  
propam 1  
prorm 1  
provide 2  
provided 2  
provides 4  
providing 6  
provision 2  
qf 1  
quantised 1  
range 1  
ratus 1  
re 4  
reached 3  
reaching 2  
read 1  
reasons 2  
recognises 2  
reduce 3  
reduced 1  
redundant 1  
ref 16  
related 1  
relates 2  
relationship 1  
relative 1  
relatively 9  
reliably 1  
request 13  
require 3  
required 3  
requirement 1  
requirements 1  
resistance 1  
respect 1  
respond 1  
responding 1  
rest 1  
reusability 1  
reuse 1  
risclosure 1  
rocessing 1  
run 1  
said 27  
same 1  
sampling 1  
saving 3  
schematically 10  
selectively 1  
serves 1  
serviced 1

set 3  
setting 1  
short 1  
should 2  
signal 19  
signals 3  
signifcantly 1  
simplifies 1  
simultaneous 1  
sip 1  
sipaal 1  
sipzal 2  
siral 2  
siralled 1  
sirals 6  
sirificant 1  
so 12  
software 5  
some 1  
sometimes 1  
sorware 1  
source 1  
special 1  
specified 1  
specifying 2  
specitied 1  
speedstep 1  
state 2  
step 1  
steps 1  
strong 2  
strongly 3  
substantially 1  
such 17  
sufficient 1  
suitable 1  
suited 1  
summary 1  
superseded 1  
supplied 3  
supply 5  
support 6  
supported 2  
supports 1  
sustain 1  
switch 3  
switched 1  
system 14  
systems 9  
take 2  
target 2  
task 1  
tasks 2  
technique 4  
techniques 2  
teclmical 1  
teclmique 2  
teclmiques 2  
temporally 1  
tend 1  
th 1  
than 1  
that 22

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the 111  
their 4  
then 2  
thernometer 1  
there 2  
thermometer 3  
these 3  
they 1  
this 12  
those 1  
thought 1  
through 2  
thus 4  
time 2  
times 1  
to 78  
tp 1  
tpanic 1  
trademark 1  
transfers 1  
transient 1  
transmeta 1  
trigger 1  
two 1  
unavailable 1  
under 6  
united 1  
until 1  
up 1  
upon 2  
urther 2  
us 9  
useable 1  
used 2  
using 3  
utilise 2  
utilised 1  
utilising 1  
valious 1  
value 6  
values 6  
variety 1  
vels 1  
view 1  
viewed 3  
volt 1  
voltage 15  
vp 1  
walter 1  
ware 3  
warning 1  
way 1  
well 2  
what 1  
when 2  
whereby 1  
which 16  
while 1  
whilst 3  
wide 1  
will 2  
with 16  
without 1

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would 4  
written 1

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Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10715593 on March 10, 2005

original Classifications

3 711/122  
2 123/406.32  
2 703/19  
2 712/213  
2 712/244

Cross-Reference Classifications

4 711/118  
3 711/141  
3 711/144  
3 711/145  
2 702/186  
2 703/21  
2 710/260  
2 711/117  
2 711/119  
2 711/120  
2 711/121  
2 711/122  
2 711/203  
2 712/23  
2 712/24

Combined Classifications

5 711/122  
4 711/118  
4 711/141  
3 710/260  
3 711/144  
3 711/145  
3 712/213  
2 123/406.32  
2 375/293  
2 702/186  
2 703/19  
2 703/21  
2 711/117  
2 711/119  
2 711/120  
2 711/121  
2 711/203  
2 712/22  
2 712/23  
2 712/24  
2 712/244

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Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10715593 on March 10, 2005

5 711/122 (3 OR, 2 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY  
711/100 STORAGE ACCESSING AND CONTROL  
711/117 .Hierarchical memories  
711/118 ..Caching  
711/119 ...Multiple caches  
711/122 ....Hierarchical caches

4 711/118 (0 OR, 4 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY  
711/100 STORAGE ACCESSING AND CONTROL  
711/117 .Hierarchical memories  
711/118 ..Caching

4 711/141 (1 OR, 3 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY  
711/100 STORAGE ACCESSING AND CONTROL  
711/117 .Hierarchical memories  
711/118 ..Caching  
711/141 ...Coherency

3 710/260 (1 OR, 2 XR)

Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA  
PROCESSING SYSTEMS: INPUT/OUTPUT  
710/260 INTERRUPT PROCESSING

3 711/144 (0 OR, 3 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY  
711/100 STORAGE ACCESSING AND CONTROL  
711/117 .Hierarchical memories  
711/118 ..Caching  
711/141 ...Coherency  
711/144 ....Cache status data bit

3 711/145 (0 OR, 3 XR)

Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY  
711/100 STORAGE ACCESSING AND CONTROL  
711/117 .Hierarchical memories  
711/118 ..Caching  
711/141 ...Coherency  
711/145 ....Access control bit

3 712/213 (2 OR, 1 XR)

Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION  
PROCESSING  
712/209 .Decoding instruction to accommodate plural  
instruction interpretations (e.g., different dialects,  
languages, emulation, etc.)  
712/213 .Predecoding of instruction component

2 123/406.32 (2 OR, 0 XR)

Class 123 : INTERNAL-COMBUSTION ENGINES  
123/406.11 SPARK IGNITION TIMING CONTROL

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123/406.12 .Electronic control  
 123/406.19 ..Closed loop feedback control of spark timing  
 123/406.26 ...Combustion condition responsive  
 123/406.29 ....Engine knock responsive  
 123/406.3 .....Fuel quality or composition signal  
                   responsive  
 123/406.32 .....Having a plurality of speed/load maps  
                   related to fuel quality or composition

2 375/293 (1 OR, 1 XR)  
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
 375/286 MULTILEVEL  
 375/293 .Synchronized

2 702/186 (0 OR, 2 XR)  
 Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR  
                   TESTING  
 702/127 MEASUREMENT SYSTEM  
 702/182 .Performance or efficiency evaluation  
 702/186 ..Computer and peripheral benchmarking

2 703/19 (2 OR, 0 XR)  
 Class 703 : DATA PROCESSING: STRUCTURAL DESIGN,  
                   MODELING, SIMULATION, AND EMULATION  
 703/13 SIMULATING ELECTRONIC DEVICE OR ELECTRICAL  
                   SYSTEM  
 703/19 .Timing

2 703/21 (0 OR, 2 XR)  
 Class 703 : DATA PROCESSING: STRUCTURAL DESIGN,  
                   MODELING, SIMULATION, AND EMULATION  
 703/13 SIMULATING ELECTRONIC DEVICE OR ELECTRICAL  
                   SYSTEM  
 703/21 .Computer or peripheral device

2 711/117 (0 OR, 2 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MEMORY  
 711/100 STORAGE ACCESSING AND CONTROL  
 711/117 .Hierarchical memories

2 711/119 (0 OR, 2 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MEMORY  
 711/100 STORAGE ACCESSING AND CONTROL  
 711/117 .Hierarchical memories  
 711/118 ..Caching  
 711/119 ...Multiple caches

2 711/120 (0 OR, 2 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MEMORY  
 711/100 STORAGE ACCESSING AND CONTROL  
 711/117 .Hierarchical memories  
 711/118 ..Caching  
 711/119 ...Multiple caches  
 711/120 ....Parallel caches

2 711/121 (0 OR, 2 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MEMORY  
 711/100 STORAGE ACCESSING AND CONTROL

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711/117 .Hierarchical memories  
711/118 ..Caching  
711/119 ...Multiple caches  
711/121 ....Private caches

2 711/203 (0 OR, 2 XR)  
Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MEMORY  
711/200 ADDRESS FORMATION  
711/202 .Address mapping (e.g., conversion,  
translation)  
711/203 ..Virtual addressing

2 712/22 (1 OR, 1 XR)  
Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION  
PROCESSING  
712/1 PROCESSING ARCHITECTURE  
712/10 .Array processor  
712/16 ..Array processor operation  
712/22 ...Single instruction, multiple data (SIMD)

2 712/23 (0 OR, 2 XR)  
Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION  
PROCESSING  
712/1 PROCESSING ARCHITECTURE  
712/23 .Superscalar

2 712/24 (0 OR, 2 XR)  
Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION  
PROCESSING  
712/1 PROCESSING ARCHITECTURE  
712/24 .Long instruction word

2 712/244 (2 OR, 0 XR)  
Class 712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: PROCESSING ARCHITECTURES AND INSTRUCTION  
PROCESSING  
712/220 PROCESSING CONTROL  
712/233 .Branching (e.g., delayed branch, loop control,  
branch predict, interrupt)  
712/244 ..Exception processing (e.g., interrupts and  
traps)